

US CLAIMS

1 A re-closable packaging comprising:

5 (A) a container, said container comprising a support layer (1), a complexable layer (2), a pressure-sensitive adhesive layer (3) and a tearable welding layer (4), the structure (C) comprising the layers (2), (3) and (4) being laid on the support film (1); and, facing said container, pr2

10 (B) a cover member or lid, said cover member comprising a welding layer (5) and a support layer (6), said tearable welding layer (4) and said welding layer (5) being welded along a seam (D).

15 2. The re-closable packaging according to claim 1, in which said structure (C) is laid on the support layer (1) through a binding layer (7).

20 3. The re-closable packaging according to claim 2, in which said structure (C) is laid on the support layer (1) by lamination.

25 4.- The re-closable packaging according to claim 3, in which the binding layer (7) is a polyurethane adhesive.

30 5.- The re-closable packaging according to claim 2, in which said structure (C) is laid on the support layer (1) by extrusion-lamination.

6.- The re-closable packaging according to claim 1, in which said structure (C) is laid directly on the support layer (1) by hot-calendering.

7.- The re-closable packaging according to claim 1,
in which said container (A) is a rigid tub or receptacle.

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5 8.- The re-closable packaging according to claim 1,
in which said container (A) is a flexible receptacle.

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9.- The re-closable packaging according to claim 1,
in which said container (A) is thermoformed.

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10.- The packaging according to claim 1, in which
tearing at said seam takes place within said adhesive
layer (3).

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11.- The packaging according claim 1, in which the
melting point of the said tearable welding layer (4) is
higher than that of said adhesive layer (3).

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12.- The re-closable packaging according to claim 1,
in which said pressure-sensitive adhesive layer (3)
comprises a thermoplastic elastomer-based hot melt
adhesive.

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13.- The re-closable packaging according to claim 1,
in which said adhesive comprises from 5 to 25% by weight
of a master batch containing filler or processing agents.

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14.- The re-closable packaging according to claim 1,
in which said welding layers (4) and (5) are in PE.

15.- The packaging according to claim 14, in which
said tearable welding layers comprise metallocene PE.

16.- The packaging according to claim 1, in a which said complexable layers (2) and tearable welding layers (4) have identical compositions.

5 17.- The packaging according to claim 1, in which said structure (C) comprising said layers (2), (3), and (4) is symmetrical in composition, said adhesive layer (3) comprising two sub-layers (3a, 3b).

10 18.- The packaging according to claim 17, in which said structure (C) is obtained by collapsing the co-extrusion bubble.

15 19.- The packaging according to claim 18, in which said collapsing of the co-extrusion bubble is done under oxidizing conditions.

20. A re-closable packaging comprising:

20 (A) a container, said container comprising a support layer (1), a binding layer (7), a complexable layer (2), a pressure-sensitive adhesive layer (3) and a tearable welding layer (4), the structure (C) comprising the layers (2), (7), (3) and (4) being laminated on the support film (1); and, facing said container,)17

25 (B) a cover member or lid, said cover member comprising a welding layer (5) and a support layer (6), said tearable welding layer (4) and said welding layer (5) being welded along a seam (D).

30 21.- The re-closable packaging according to claim 20, in which the binding layer (7) is a polyurethane adhesive.

22.- The re-closable packaging according to claim 20, in which said container (A) is thermoformed.

23.- The packaging according to claim 20, in which tearing at said seam takes place within said adhesive layer (3).

24.- The re-closable packaging according to claim 20, in which said pressure-sensitive adhesive layer (3) comprises a thermoplastic elastomer-based hot melt adhesive.

25.- The re-closable packaging according to claim 20, in which said welding layers (4) and (5) are in PE.

26.- The packaging according to claim 20, in which said structure (C) is obtained by collapsing the co-extrusion bubble.

27.- A method for producing a packaging according to claim 1, comprising sealing said welding layers (4) and (5).

28.- The method for producing a packaging according to claim 27, in which said structure (C), comprising said support layer (1), said complexable layer (2) and said pressure-sensitive adhesive layer (3) is prepared first after which the support layer of said container (A) is prepared, the structure (C) being then laid on support layer (1) to form container (A).

29.- The method for producing a packaging according to claim 27, in which said structure (C) is laminated.

31.- The method for producing a packaging according to claim 27, in which said structure (C) is hot-calendered.

31.- The method for producing a packaging according to claim 27, in which said structure (C) is hot-calendered.

33.- The method according to claim 27, in which sealing is done by die pressing between two sealing jaws only one of which is heated at said lid or cover member (B) side.

33.- The method according to claim 27, in which
15 sealing is done by die pressing between two sealing jaws
only one of which is heated at said lid or cover member
(B) side.

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